

Division 21 Extractive Industry Code

21.1 Overall Outcomes

The overall outcomes are the purpose of this code.

The overall outcomes sought by the Extractive Industry Code are the following:-

- (1) Facilitate the winning of economic extractive resources;
- (2) Ensure that the environmental impacts of **extractive industry** are within acceptable limits, in relation to both on-site operations and off-site activities, especially those connected with haulage;
- (3) Provide for infrastructure required for **extractive industry** operations; and
- (4) Ensure that operation of the development provides adequately for ongoing **site** rehabilitation and preparation for use after extraction.

21.2 Compliance with the Extractive Industry Code

Assessable development that is consistent with the specific outcomes of the Development Requirements *Table 6.1.21 - Assessment Criteria for Assessable Development* contained in Section 21.4 complies with the Extractive Industry Code.

21.3 Development Requirements

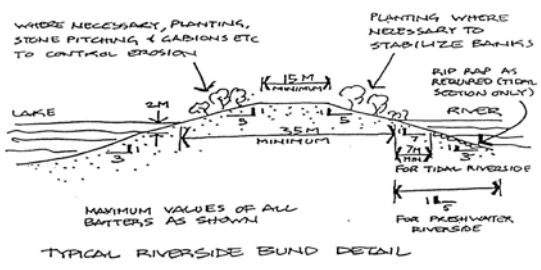
The development requirements of this code relate to the following elements:-

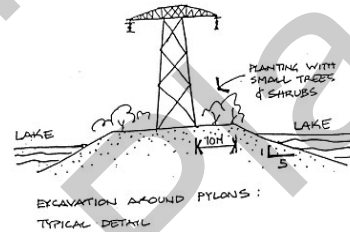
- (5) Environmental Impact and Management
- (6) Infrastructure

21.4 Development Requirements Tables

Table 6.1.21: Assessment Criteria for Assessable Development

Specific Outcomes for Assessable Development	Probable Solutions
Environmental Impact and Management	
SO 1 The extractive industry is established and operated so that:- <ol style="list-style-type: none"> (1) extraction of economic resources is efficient; (2) the natural environment is protected from unacceptable contamination and other unacceptable impacts from use of the site including:- <ol style="list-style-type: none"> (a) emissions of air pollutants must not cause significant environmental harm or nuisance impacts; (b) water from around and within the area of operation must be managed so that it does not adversely affect the environmental values of groundwater and receiving waters; (3) production of waste is minimised; (4) adverse impacts on sensitive receiving environments during operation of the use are minimised, including:- <ol style="list-style-type: none"> (a) minimising noise impacts on the surrounding area and noise levels at any sensitive receiving environment; (b) lighting does not cause nuisance; (c) vibration is managed to acceptable levels (5) adverse impacts on sensitive receiving environments after cessation of use are minimised. (6) an acceptable standard of visual amenity, having regard to the characteristics of the site, the resource, the surrounding area and the desirable character of the locality, is achieved. (7) any hazard or risk associated with the development is within acceptable limits. (8) environmental and amenity impacts arising from transport of materials from the site and utilise defined haulage routes are minimised. 	PS 1 No solution provided

Specific Outcomes for Assessable Development	Probable Solutions
SO 2 The hours within which blasting and explosions occur, minimise adverse amenity impacts and safety risks.	PS 2.1 Any blasting and explosive activities are only to occur during the following hours:- (1) Monday to Friday 7:00am to 6:00pm; and (2) Saturday and Public Holidays other than Good Friday, Christmas Day and Anzac Day 7:00am to 12 noon. AND PS 2.2 The operation of the quarry plant or processing equipment, other than carting of extracted or processed material or maintenance of equipment, is not permitted on Sunday, Good Friday, Christmas Day and Anzac Day.
SO 3 The siting and extent of operations allow for an area to be provided around the perimeter of the site to effectively buffer surrounding areas from noise, dust and visual impacts.	PS 3 No extractive industry or any ancillary activity is conducted within: (1) 20m of the alignment of a road except where blasting is likely, in which case the setback shall be 50m; (2) 10m of a boundary of the site if the adjoining land is zoned extractive industry but is not being used for extractive industry ; (3) 100m of any boundary of the site adjoining land zoned Residential A, Residential B, Special Residential, Park Residential or Rural Residential; (4) 100m from any existing residential uses on Rural zoned land.
SO 4 Appropriately constructed bunds are provided to separate "off-river" lakes and the rivers from any activities associated with the extractive industry use.	PS 4 Bunds are constructed with:- (1) a minimum width of 35m measured water level to water level; (2) a minimum crest width of 15m with flood spillways constructed and set to achieve adequate flushing of "off-river" lakes by the Q1 flood; (3) a maximum batter of 1:5 to a depth of 2m below mean water level (MWL) and 1:3 thereafter; (4) trees, grass and shrubs planted to stabilise banks; (5) stonepitching, gabions or rip rap provided where required to control and limit erosion; and (6) a shelf not less than 7m wide at MWL provided beyond the toe of the bund to encourage the establishment of mangroves where the bund is in a tidal section of a river and a mangrove fringe does not exist. These requirements are illustrated in <i>Figure 4.1</i> . FIGURE 5.3.4.  Figure 4.1

Specific Outcomes for Assessable Development	Probable Solutions
Infrastructure	
SO 5 Existing and new roads and other transport infrastructure associated with the haulage of material from extractive industry operations are constructed, upgraded and maintained to an adequate standard required for haulage purposes.	PS 5 A traffic impact assessment is to be prepared for the extractive industry use which identifies measures to provide for funding and construction of transport infrastructure and associated environmental management infrastructure required by the development, including:- <ul style="list-style-type: none"> (1) upgrading existing roads; (2) construction of new roads to an adequate standard; and (3) maintenance of roads.
SO 6 Extractive industry is not undertaken in a manner which may compromise the stability, safety or operation of infrastructure.	PS 6.1 Extraction does not occur within:- <ul style="list-style-type: none"> (1) 10m of any electricity transmission tower pylon (or such other distance as may be required by relevant electricity authorities) and excavation around pylons should create islands or peninsulas as shown below in <i>Figure 6.1</i>; <div data-bbox="948 770 1299 1001" data-label="Image">  </div> <p style="text-align: center;">Figure 6.1</p> <ul style="list-style-type: none"> (2) 15m of water supply and sewerage main pipelines; or (3) 150m downstream of any bridge pier abutment unless adequate measures are taken to protect such structure from erosion.